Annex US.II, page 1

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	1 PTO-1390 . 12-97)	U.S. DEPARTMENT OF COM	MERCE PATENT	ND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER
	TRANSMIT	TAL LETTER	TO THE	UNITED STATES	7024109PUR48
1	DESIGN	ATED/ELECT	ED OFF	ICE (DO/EO/US)	U.S. APPLICATION NO LIF known see 37 BER 1.5
1	CONCER	NING A FILIN	IG UNDI	ER 35 U.S.C. 371	U.S. APPLICATION NO JIF BOWERS SER 37 BER 1.5
INT	ERNATIONAL AF			TIONAL FILING DATE	DRIODITY DATE CLANCED
PC	T/US97/07663		05/06/19	197 - May 6, 1997	PRIORITY DATE CLAIMED 05/06/1996 - May 6, 1996
STA	LE OF INVENTION BLE RECOMBINA	NT YEASTS FOR	FERMENT	ING XYLOSE TO ETHAN	OL,
APP	LICANT(S) FOR E	OO/EO/US			
HO,	Nancy W. Y.	and CHEN, Zhe	ng-Dao		
Арр	licant herewith sub	nits to the United Sta	tes Designat	ed/Elected Office (DO/EO/US)	the following items and other information:
1. [a filing under 35 U.S.C. 371.	
2.		ND or SUBSEQUEN	T submissio	n of items concerning a filing	under 35 U.S.C. 371.
/ { [2	This express req	uest to begin nationa	l examinatio	n procedures (35 U.S.C. 371(f)) at any time rather than delay
	examination unt	il the expiration of th	e applicable	time limit set in 35 U.S.C. 371	(b) and PCT Articles 22 and 39(1).
					month from the earliest claimed priority date.
ع ٥٠		ternational Application			
	b. has be	en transmitted by the	uirea only it	not transmitted by the Internat	ional Bureau):
				led in the United States Receiv	ing Office (RO/US)
6. Г				English (35 U.S.C. 371(c)(2))	,
7. [3					
/· K	a. are tran	ismitted herewith (re	manonai Ap mired only i	lication under PCT Article 19 (f not transmitted by the Interna	33 U.S.C. 371(c)(3))
	b. have be	een transmitted by th	e Internation	al Bureau	nional Bureau).
				imit for making such amendme	ents has NOT expired
		ot been made and wil			
8. [A translation of t	he amendments to th	e claims und	er PCT Article 19 (35 U.S.C. 3	71 (c)(3)).
9. X	9. X An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).				
10. [10. A translation of the annexes of the International Preliminary Examination Report under PCT Article 36				
	(35 U.S.C. 371(c)(5)).				
Ite	ems 11. to 16. belov	w concern documen	(s) or infor	mation included:	
и. Г	An Information I	Disclosure Statement	under 27 CE	D 1 07 and 1.09	
12.					
_			g. A separat	c cover sneet in compliance wi	th 37 CFR 3.28 and 3.31 is included.
	A FIRST prelimin				
		UBSEQUENT prelin	unary ameno	lment.	
14.	A substitute speci			Express Mail label pumpe	EM577550042US
15. [A change of power	er of attorney and/or	address lette	Date of Deposit	s paper or fee is being deposited with
16. 🔽	Other items or inf	ormation:		the United States Postal	Service "Express Mail Post Office tol
	Request			Accressee service under	37CFR \$ 1.10 on the data indicated
		al Publication		Washington Dr. 2029	the Assistant Commissioner for Patents,
c.	Defects	Invitation to	Correc	Denda C. She	lher
d.	PCT/IB/332,	304,308		Sig	Lbu. nature of person mailing paper or fee
e.	Notif of Re	ceipt of Demar	ıd		· 1
f.	Resp to Inte	ernational Sea	rch Repo	ort	Į
g.	Resp to Wri	tten Opinion			i
Ω. i	Change in a	al Prelim Exam	Report	7.	ł
	andre III de	ddress of one	or the E	uppilcants	

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NOP CT/US 97/07663			^782418	9PUR48	
17. The following fees are submitted:			CALCULATIONS	PTO USE ONLY	
BASIC NATIONAL FEE (37 CFR I	.492 (a) (1) - (5)):				
Search Report has been prepared b	y the EPO or JPO	\$930.00			
International preliminary examina	tion fee paid to USPTO (37 CFR	1.482) 540 \$720.00			
No international preliminary exam but international search fee paid to	ination fee paid to USPTO (37 C USPTO (37 CFR 1.445(a)(2)) .	FR 1.482) \$790.00	•		
Neither international preliminary e international search fee (37 CFR 1	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO				
International preliminary examinat and all claims satisfied provisions	tion fee paid to USPTO (37 CFR of PCT Article 33(2)-(4)	1.482) \$98.00			
ENTER APPROPR	IATE BASIC FEE AMO	UNT =	\$ 540°°		
Surcharge of \$130.00 for furnishing t months from the earliest claimed prio	he oath or declaration later than rity date (37 CFR 1.492(e)).	20 30	s	,	
CLAIMS NUMBER FIL	ED NUMBER EXTRA	RATE	\$		
Total claims 35 20			\$ 710.00		
Independent claims 7 - 3			\$ 256		
MULTIPLE DEPENDENT CLAIM(S) (if applicable)	+ \$270.00	\$ 210		
	TAL OF ABOVE CALCU	DALLONS	\$ 1,216,05		
Reduction of 1/2 for filing by small er must also be filed (Note 37 CFR 1.9,	ntity, if applicable. A Small Enti 1.27, 1.28).	ty Statement +	S		
	SI	JBTOTAL =	\$ 121600		
Processing fee of \$130.00 for furnishi months from the earliest claimed prior	ng the English translation later th	an □20 □20	\$		
TOTAL NATIONAL FEE = \$ /2/6 =					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					
TOTAL FEES ENCLOSED =			\$ 1,21600		
			Amount to be refunded:	s	
			charged:	\$	
a. 🔀 A check in the amount of \$	1, 21600 to cover th	e above fees is enclose	d.		
b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-3030. A duplicate copy of this sheet is enclosed.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status SEND ALL CORRESPONDENCE TO: Kenneth A. Gandy WOODARD, EMHARDT, NAUGHTON, MORIARTY & MCNETT Bank One Center/Tower, Suite 3700 111 Monument Circle NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.194 or 1.194 has not been met, a petition to revive (37 CFR 1.194 or 1.194 has not been met, a petition to revive (37 CFR 1.194 or 1.194 has not been met,					
Indianapolis, Indiana 4	- 10N 86				

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PCT application of)
PURDUE RESEARCH FOUNDATION) Authorized Officer:) Paul F. Urrutia
International Application)
Number PCT/US97/07663) Mailing Date
) 26 June 1997
International Filing Date)
06 May 1997) Agent's File
-) Reference:
Title of Invention) PUR-48:PCT
STABLE RECOMBINANT YEASTS)
FOR FERMENTING XYLOSE TO)
ETHANOL	·

RESPONSE TO INVITATION TO CORRECT DEFECTS

Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231

Attn: RO/US

Dear Sir/Madam:

In response to the Invitation to Correct Defects in the International application mailed 02 June 1997, Applicant submits herewith three duly executed Appointments of Agent and new drawing sheets 1-12. We believe that this application conforms to the requirements of the PCT.

(317) 634-3456

Mail" label number 18861764/01US Respectfully submitted reposit 27 cure (997)

by certify that this paper or fee is being deposited with states Postal Service "Express Meil Post Office to Lewoff (2004)

e" servic under 37 CFR§1.10 on the date indicated neth A. Gandy, #33,396 and is addressed to the Commissioner of Patents and Woodard, Emhardt, Naughton, Moriarty & McNett

Bank One Center/Tower, Suite 3700

Signature of person mailing payer or fee 111 Monument Circle Indianapolis, Indiana 46204 US

Enclosures: 3 Appts. Of Agent and new drawing sheets 1-12 wenmm\sys\groups\frac{\text{frgnfile\pct\pur48inv}}{\text{pur48inv}}

PATENT COOPERATION TREATY

Appointment of Agent or Common Representative

The undersigned applicant, PURDUE RESEARCH FOUNDATION, hereby appoints Harold R. Woodard, No. 16,214; C. David Emhardt, No. 18,483; Joseph A. Naughton, Jr., No. 19,814; John V. Moriarty, No. 26,207; John C. McNett, No. 25,533; Thomas Q. Henry, No. 28,309; James M. Durlacher, No. 28,840; Charles R. Reeves, No. 28,750; Vincent O. Wagner, No. 29,596; Steve Zlatos, No. 30,123; Spiro Bereveskos, No. 30,821; William F. Bahret, No. 31,087; Clifford W. Browning, No. 32,201; R. Randall Frisk, No. 32,221; Daniel J. Lueders, No. 32,581; Michael D. Beck, No. 32,722, Kenneth A. Gandy, No. 33,386; Timothy N. Thomas, No. 35,714; Kerry P. Sisselman, No. 37,237; Kurt N. Jones, No. 37,996; John H. Allie, No. 39,088; Jeffrey A. Michael, No. 37,394; Deborah R. Beck, No. 37,370; Holiday W. Banta, No. 40,311; Troy J. Cole, No. 35,102; L. Scott Paynter, No. 39,797; Lisa A. Hiday, No. 40,036 and James L. Rowe, No. 18,448, all of the same address and who are members of the Bar of the State of Indiana, constituting the firm of Woodard, Emhardt, Naughton, Moriarty & McNett, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, Indiana 46204 United States of America

[X] as agent [] as common representative

to act on its behalf before the competent International Authorities in connection with the international application concerning STABLE RECOMBINANT YEASTS FOR FERMENTING XYLOSE TO ETHANOL, Agent's File Reference PUR-48:PCT, International Application Number unknown at this time, filed with the United States receiving office and to receive payments on its behalf.

(Place) West Lafayette, IN 47907 USA (Date) May 15, 1997

PURDUE RESEARCH FOUNDATION

Bruce PERSHING

Investment Officer and Secretary

PATENT COOPERATION TREATY

Appointment of Agent or Common Representative

The undersigned applicant, Nancy W.Y. HO, hereby appoints Harold R. Woodard, No. 16,214; C. David Emhardt, No. 18,483; Joseph A. Naughton, Jr., No. 19,814; John V. Moriarty, No. 26,207; John C. McNett, No. 25,533; Thomas Q. Henry, No. 28,309; James M. Durlacher, No. 28,840; Charles R. Reeves, No. 28,750; Vincent O. Wagner, No. 29,596; Steve Zlatos, No. 30,123; Spiro Bereveskos, No. 30,821; William F. Bahret, No. 31,087; Clifford W. Browning, No. 32,201; R. Randall Frisk, No. 32,221; Daniel J. Lueders, No. 32,581; Michael D. Beck, No. 32,722, Kenneth A. Gandy, No. 33,386; Timothy N. Thomas, No. 35,714; Kerry P. Sisselman, No. 37,237; Kurt N. Jones, No. 37,996; John H. Allie, No. 39,088; Jeffrey A. Michael, No. 37,394; Deborah R. Beck, No. 37,370; Holiday W. Banta, No. 40,311; Troy J. Cole, No. 35,102; L. Scott Paynter, No. 39,797; Lisa A. Hiday, No. 40,036 and James L. Rowe, No. 18,448, all of the same address and who are members of the Bar of the State of Indiana, constituting the firm of Woodard, Emhardt, Naughton, Moriarty & McNett, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, Indiana 46204 United States of America

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to act on his/her behalf before the competent International Authorities in connection with the international application concerning STABLE RECOMBINANT YEASTS FOR FERMENTING XYLOSE TO ETHANOL, Agent's File Reference PUR-48:PCT, International Application Number unknown at this time, filed with the United States receiving office and to receive payments on his/her behalf.

(Place) West Lafayette, IN 47907 USA (Date) May 15, 1997

Name: Nancy W.Y. HO

PATENT COOPERATION TREATY

Appointment of Agent or Common Representative

The undersigned applicant, Zheng-Dao CHEN, hereby appoints Harold R. Woodard, No. 16,214; C. David Emhardt, No. 18,483; Joseph A. Naughton, Jr., No. 19,814; John V. Moriarty, No. 26,207; John C. McNett, No. 25,533; Thomas Q. Henry, No. 28,309; James M. Durlacher, No. 28,840; Charles R. Reeves, No. 28,750; Vincent O. Wagner, No. 29,596; Steve Zlatos, No. 30,123; Spiro Bereveskos, No. 30,821; William F. Bahret, No. 31,087; Clifford W. Browning, No. 32,201; R. Randall Frisk, No. 32,221; Daniel J. Lueders, No. 32,581; Michael D. Beck, No. 32,722, Kenneth A. Gandy, No. 33,386; Timothy N. Thomas, No. 35,714; Kerry P. Sisselman, No. 37,237; Kurt N. Jones, No. 37,996; John H. Allie, No. 39,088; Jeffrey A. Michael, No. 37,394; Deborah R. Beck, No. 37,370; Holiday W. Banta, No. 40,311; Troy J. Cole, No. 35,102; L. Scott Paynter, No. 39,797; Lisa A. Hiday, No. 40,036 and James L. Rowe, No. 18,448, all of the same address and who are members of the Bar of the State of Indiana, constituting the firm of Woodard, Emhardt, Naughton, Moriarty & McNett, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, Indiana 46204 United States of America

[X] as agent [] as common representative

to act on his/her behalf before the competent International Authorities in connection with the international application concerning STABLE RECOMBINANT YEASTS FOR FERMENTING XYLOSE TO ETHANOL, Agent's File Reference PUR-48:PCT, International Application Number unknown at this time, filed with the United States receiving office and to receive payments on his/her behalf.

(Place) West Lafayette. IN	47907 USA	(Date)	Mary 15,	1997
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Name: Zheng-Dao CHEN

IN THE INTERNATIONAL BUREAU OF WIPO

In re PCT application of PURDUE RESEARCH FOUNDATION, etal)))
International Application)
Number PCT/US97/07763) Mailing Date) 29 October 1998
International Filing Date)
6 May 1997) Agent's File) Reference:
Title of Invention) PUR-48:PCT
STABLE RECOMBINANT YEASTS)
FOR FERMENTING XYLOSE TO)
ETHANOL)

CHANGE IN THE ADDRESS OF ONE OF THE APPLICANTS

The International Bureau **WIPO** 34, chemin des Colombettes 1211 Geneva 20 Switzerland

Dear Sir/Madam:

Enclosed please find a new page one of the Request, reflecting a change in the address of one of the Applicants as follows:

> PURDUE RESEARCH FOUNDATION Office of Technology Transfer 1063 Hovde Hall West Lafayette, Indiana 47907 US

Please make this change on all appropriate documents and notify all of the necessary offices. We are forwarding a copy of this letter and page one of the Request to the Receiving Office.

s Mail" label number EM 577549659US Peposit — OGOBZR 1978 reby certify that this paper or fee is being deposited with ted States Postal Service *Express Mail Post Office to see school under 370FR § 1.10 on the data indicated is in each edged to the Assistant Commissioner for Patents, юл, Э.С. 25231.

SignAture of person mailing , uper or ree

#27622 cc: RO/US Respectfully submitted

Gregory B. Coy, (#40,96)

Woodard, Emhardt, Naughton,

Moriarty & McNett

Bank One Center/Tower, Suite 3700

111 Monument Circle

Indianapolis, Indiana 46204 US

(317) 634-3456

IN THE INTERNATIONAL BUREAU OF WIPO

In re PCT application of)
PURDUE RESEARCH FOUNDATION) Authorized Officer:
) Gabriele E. Bugaisky
International Application)
Number PCT/US97/07663) Mailing Date
) 15 September 1997
International Filing Date)
06 May 1997) Agent's File
•) Reference:
Title of Invention) PUR-48:PCT
STABLE RECOMBINANT YEASTS)
FOR FERMENTING XYLOSE TO	Ś
ETHANOL	,
— · · · · · · · · · · · ·	

RESPONSE TO THE INTERNATIONAL SEARCH REPORT

The International Bureau WIPO 34, chemin des Colombettes 1211 Geneva 20 Switzerland

Dear Sir/Madam:

In response to the International Search Report mailed 28 July 1997, regarding the above-referenced PCT Patent Application, Applicant does not wish to make any amendments at this time.

Respectfully submitted

Thomas Q. Henry, #28,309

Woodard, Emhardt, Naughton,

Moriarty & McNett

Bank One Center/Tower, Suite 3700

111 Monument Circle

Indianapolis, Indiana 46204 US

(317) 634-3456